Project Name: Multicell Core Sensor

Customer: AFRD-DARHT Project

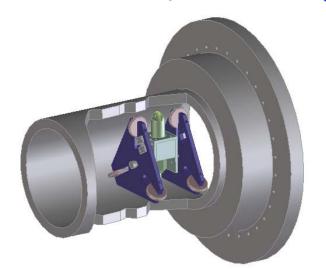
Date: 5/30/2001 to present

Project team members:

Ken Chow kpchow@lbl.gov
Tim Loew tiloew@lbl.gov
Mark Scheeff mcsheeff@lbl.gov
Dave Uken duken@home.com

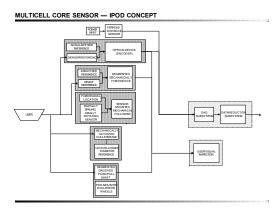
Project:

A single-cell core sensor was previously developed to measure the radial position of Metglas cores in the accelerator cells without requiring any cell disassembly. The current project involves design and fabrication of a complete core sensor system that measures core position for all the cores within a block of 6 cells latched together.



Click here to go to Project Directory





Capabilities Applied:

- Brainstorming
- Systems architecting
- Error budget analysis
- Solid modeling
- Conceptual design
- Detail design
- Fabrication drawings
- Functional prototyping and testing
- Data acquisition
- Motor control
- Software programming
- Graphical user interface design

Functional prototype

